

SECRET - 66048680

CTT TCT ATT TGG TTA ACC ATG GCT CAT AAC TTT CGT CAT CCT TTC TTC	20	40
Leu Ser Ile Trp Leu Thr Met Ala His Asn Phe Arg His Pro Phe Phe>		
CTT TTC CAA CTT TTA CTC ATT ACT GTC TCA CTA ATG ATC GGT AGC CAC	60	80
Leu Phe Gln Leu Leu Leu Ile Thr Val Ser Leu Met Ile Gly Ser His>		
ACC GTC TCG TCA GCG GCT CGA CAT TTA TTC CAC ACA ACA ACC TCA	100	120
Thr Val Ser Ser Ala Ala Arg His Leu Phe His Thr Gln Thr Thr Ser>		140
TCA GAG CTG CCA CAA TTG GCT TCA AAA TAC GAA AAG CAC GAA GAG TCT	160	180
Ser Glu Leu Pro Gln Leu Ala Ser Lys Tyr Glu Lys His Glu Glu Ser>		
GAA TAC AAA CAG CCA AAA TAT CAT GAA GAG TAC CCA AAA CAT GAG AAG	200	220
Glu Tyr Lys Lys Gln Pro Lys Tyr His Glu Glu Tyr Pro Lys His Glu Lys>		240
CCT GAA ATG TAC AAG GAG GAA AAA CAA AAA CCC TGC AAA CAT CAT GAA	260	280
Pro Glu Met Tyr Lys Lys Glu Glu Lys Gln Lys Pro Cys Lys His His Glu>		
GAG TAC CAC GAG TCA CGC GAA TCG AAG GAG CAC GAA GAG TAC GAT AAA	300	320
Glu Tyr His Glu Ser Arg Glu Ser Lys Glu His Glu Glu Tyr Asp Lys>		
GAA AAA CCC GAT TTC CCC AAA TGG GAA AAG CCT AAA GAG CAC GAG AAA	340	360
Glu Lys Pro Asp Phe Pro Lys Trp Glu Lys Pro Lys Glu His Glu Lys>		380
	400	420

FIGURE 1A

SECRET - 66048680

*
 CAC GAA GTC GAA TAT CCG AAA ATA CCC GAG TAC AAG GAC AAA CAA GAT
 His Glu Val Glu Tyr Pro Lys Ile Pro Glu Tyr Lys Asp Lys Gln Asp>
 440 460 480
 GAG AAT AAG AAA CAT AAA GAT GAA GAG TGC CAG GAG TCA CAC GAA TCG
 Glu Asn Lys Lys His Lys Asp Glu Glu Cys Gln Glu Ser His Glu Ser>
 500 520
 *
 AAA GAG CAC GAA GAG TAC GAG AAA GAA AAA CCC GAT TTC CCC AAA TGG
 Lys Glu His Glu Glu Tyr Glu Lys Glu Lys Pro Asp Phe Pro Lys Trp>
 540 560
 GAA AAG CCT AAA GGG CAC GAG AAA CAT AAA GCC GAA TAT CCG AAA ATA
 Glu Lys Pro Lys Gly His Glu Lys His Lys Ala Glu Tyr Pro Lys Ile>
 580 600 620
 *
 CCT GAG TGC AAG GAA AAA CTA GAT GAG GAT AAG GAA CAT AAA CAT GAG
 Pro Glu Cys Lys Glu Lys Leu Asp Glu Asp Lys Glu His Lys His Glu>
 640 660
 TTC CCA AAG CAT GAA AAA GAA GAG GAG AAG AAA CCT GAG AAA GGC ATA
 Phe Pro Lys His Glu Lys Glu Glu Lys Lys Pro Glu Lys Gly Ile>
 680 700 720
 *
 GTA CCC TGA GTG GGT TAA AAT GCC TGA ATG GCC GAA GTC CAT GTT TAC
 Val Pro *** Val Gly *** Asn Ala *** Met Ala Glu Val His Val Tyr>
 740 760
 TCA GTC TGG CTC GAG CAC TAA GCC TTA AGC CAT ATG ACA CTG GTG CAT
 Ser Val Trp Leu Glu His *** Ala Leu Ser His Met Thr Leu Val His>
 780 800
 *

FIGURE 1B

46202T" 66048580

GTG CCA TCA TCA TGC AGT AAT TTC ATG GGA TAT TGT AAT TAT ATT GTT
Val Pro Ser Cys Ser Asn Phe Met Gly Tyr Cys Asn Tyr Ile Val>

820

840

860

AAT AAA AAA GAT GGT GAG TGG GAA ATG TGT GTG TGC ATT CAT CCA TGA
Asn Lys Lys Asp Gly Glu Trp Glu Met Cys Val Cys Ile His Pro ***>

880

900

*

GCA ATG CTG AAT CTC TTT GCA TGC ATA GAG ATT CTG AAT GGT TAT AGT
Ala Met Leu Asn Leu Phe Ala Cys Ile Glu Ile Leu Asn Gly Tyr Ser>

920

940

960

TTA TGT TAT ATC GTT TGT TCT AGT GAA ATT AAT TTT GAA TGT TGT ATG
Leu Cys Tyr Ile Val Cys Ser Ser Glu Ile Asn Phe Glu Cys Cys Met>

TAA TGT T

*** Cys Xxx>

FIGURE 1C

45202T"65048530

ACTAAAGGGA	20	ACAAAAGCTG	40	GAGCTCCACC	60	GCGTCTTAGA	ACTAGTGGAT
CCCCCGTGGA	80	CTAAACAAAA	100	CATGGGAAGA	120	TTTTGCTGTAA	AAAAATAAAA
CAATAACACT	140	TTGTGAATTG	160	TATACAAAAG	180	ACTCAATGAA	AAACAATAAC
TTTTTTTCACT	200	GATTTACATC	220	CTTTATATAG	240	GCTGAAACTA	CAACAACCTTT
ATAGGATAAC	260	CTAATAGCAA	280	AATCACAATC	300	AGATATTAAA	CCATGATTTT
TTAACAACTT	320	TATTGAAACT	340	AATTGAATA	360	TTTCATCTGC	TGATATGCCC
GCCACTAACC	380	GATTTGGTGG	400	TGAACTTTTAA	420	CATGTCATGC	ATTTGTAACT
AGTTTTTTTGC	440	ATTATTTTAC	460	TATATGAACT	480	GTTTGATTAG	GTTGAGTTAC
TGTAAGCTCA	500	CTCAAATTTT	520	TCTAATTTCT	540	AAGGTGATCA	GCAAACTTAG
CGTACGAGAG	560	CTCGGATTGA	580	TTTTTCTAGTT	600	AATAAATAAG	ACGATTTTATG

Figure 2A

45822T" 66048630

ATTATGGACT	TTTTGGACTA	TGTAAC	TGTT	TGGACTTTA	TTTTTGT	TTTT	TTATTGCTT	660
620				640				
TTTTTTGGATT	TAGTAATTAT	TATTTTTTAAA	CTGCAAA	AATT	ATATGT	TTTT	ACAAACTAAG	720
680				700	*			
TCACAGTTTT	CAAAATTCCA	TAACTTAGAA	TTTTTCGCTG	CAAAATAAAG	TAAATCATTTA			780
740				760				
AGTGT	TTTTT	CTGTAATAAA	ATAAAATAAAT	AATTTTAA	CG	AGTAT	TTTTCC	TAAAAAATTGG
800	*			820				840
AAATTGATTT	ACCAAAATTA	GTATGTCAAA	ACACATGTTT	ATATGT	TACA	GGCGGATATC		900
860				880				*
GTCTAGGCAA	ATAACATCTA	GGCGGGGTTT	GGAGTGT	TAC	AGGGCGAGTG	GGCTCATTTT		960
920				940				
GAGTAAGTAT	AGTTAGGGCC	GAGTTT	TAGA	TTGCATA	TTTC	AAGGTCAAAG	ATTTTGTAAA	1020
980				1000	*			
CTTCGATGAA	TGATATGTAT	GATTGTCCGA	TTAACGAAAT	ATGT	TTTTTTT	CTTTTGTGTG		1080
1040				1060				
TGTTTTATCT	CGTGTGATAA	GTATATAGTA	TGTTTTATTC	CAAT	TCTTAT	GGCATGTGAC		1140
1100	*			1120				
ATTGTGGCTA	TTCTAAATTA	ATTGATT	TGT	TATTAT	TGAA	ATCTGATGCA	TCTGTCTTAC	1200
1160				1180				*
1220				1240				1260

Figure 2B

Accession: 66048680

AAAGCATGGA	ATCTCATGCC	TACTGCTTTC	TGTTAAAGAT	ACGATTGCAA	GTTTAACATG
1280		1300	*		1320
CTTACTATTT	TGATTTTGTC	CTTGCAATGCT	ATGTCACATT	ACATGGGGTT	GGGATGATAT
1340		1360			1380
GGTAAGGAGG	AAGTTTTCAC	AGTTTAAATGA	TTTGCACATAT	CTGGTGGTTT	AACCACATAT
1400	*	1420			1440
TTGTTATAGG	ATCTTGACTG	CGGTTATGGT	GGCTCGACCG	CCCATATCTG	TTCTGGAAAT
1460		1480			1500
TTATCTGTGA	CTCTGGTGGC	ATTGTCTACA	ATTATTGTGT	GGTGTGTTTT	GGATGGACGA
1520		1540			1560
GTCGTGGGGA	ACTCTATTTC	GTGTGTTGCG	GAGTTGGGTA	GGAAATTTTC	GAAAAAAATTT
1580		1600	*		1620
TGCATTGTGT	TTTTCTGAAA	AATATTGCAT	TAACATAATC	ATGCATCTTC	AATTTTGGTC
1640		1660			1680
AATTGAAACGT	TATAAAATTC	TCATATGATAT	CCTGATCTGT	TTATTACATT	ATATGTGTTT
1700	*	1720			1740
ATGCTTGAGT	TAAGTCAAAC	ATTGAGATTC	ATAGCTCACC	CAATTATTTA	ATCATTTCAG
1760		1780			1800
GCAATCTGCA	GACTTAGGAT	TGGATGGCGT	TCAGGAGCTT	GGATTGGTTT	TCTCACATCA
1820		1840			1860
TATTTTATTA	AATAAATTATT	AATTAAAAAT	TATGGACTTT	TGGACTGTCT	GACTAATTTT

Figure 2C

46802T" 66048680

1880	1900 *	1920
CAGAAATTTTA	TTTTGGTTTT	GGGTTTGTGTT
	GAATTTTTTA	GATAATTATT
		TTAAATATTC
1940	1960	1980
TGCATAAATTT	TTCTGTTATT	TGAAAAAGGAT
	GTTTCGAAATTT	TTTTTCAAAA
		TTGAAACGTT
2000 *	2020	2040
TAAGAAATTTT	TACTACTGCA	AATTCAGAAT
	AAGTGAAATTT	GTTTTTTTGA
		AAGATTAAAT
2060	2080	2100 *
AAGTTAGTAT	TACGAATTTTT	AGTTTGATTT
	GGTGGAAAAGT	AATGTATGTT
		TTTGAACATA
2120	2140	2160
ATTATTGAC	AATAATTAAG	TTTTCTAGGG
	AATAAACGGA	AATATCTTCT
		TCTTTTTTGT
2180	2200 *	2220
AAAATTACTA	ATGCAAGAAC	AAACAACGTT
	TTGGGGAGCA	AATAATCTAG
		CTTTAAGTAG
2240	2260	2280
TCAGTGTAAC	TCCTCAAAATC	TGGTCATAAC
	TTCTAGGCTG	AGTTTGCTGT
		GCTACAGTAG
2300 *	2320	2340
TAAGTCTATA	GAAACTTACC	TGACAAAACG
	ACATGACGTC	AGGGTCGAAT
		CTACAACTTT
2360	2380	2400 *
TCCTTTTTCT	TCAATTAACA	TATGGTTGAT
	TCAAGTTCCG	ATCTATAATA
		ATTTATTACG
2420	2440	2460
ATTTATCAAT	TTCAATTACC	TTATATCATC
	CTATTATAAA	TATAAGTCAG
		TTCAATTTCAG

Figure 2D

26E02T" 66048680

2480	2500 *	2520
TTTTTCGAAAG TTCCCAAAAA TTTTGAATTT TATTAAATTT ATTCCCTAAA ACCGAAATAG		
2540	2560	2580
TTATATCTTT CAAATTTAAG TTTTCATTTTTT CAATCCGATT TCAATTTCAT CCTTTTATAA		
2600 *	2620	2640
CTCTCTATTA TCTATAATTA CATAAATTTC AAATTAATTT TGAAATATTT ACACTTTAGT		
2660	2680	2700 *
CCCTAAGTTC AAAACTATAA ATTTTCACTT TAGAAATTA TCAATTTTCA CATCTAAAGCA		
2720	2740	2760
TCAAATTTAA CCAAAATGACA CAAATTTTCAT GATTAGTTAG ATCAAGCTTT TGAGTCTTCA		
2780	2800 *	2820
AAACATAAAA ATTACAAAAA AAAAAACAAC TTAAATCAT TTATCAATTT GAACAACAAA		
2840	2860	2880
GCTTGGCCGA ATGCTAAGAG CTTAAAAATG GCTTCTTTTG TTTCTTTTGG TTGCAACCGG		
2900 *	2920	2940
TGGAGAGAAG AGGGAATGA AGATTGACCA TATTTTTTTA TTATGTTTTA ACATATAATA		
2960	2980	3000 *
TTAATAAATTT AATCATAATT ATACTTTGGT GAATGTGACA GTGGGGAGAT ACGTAAAGTA		
3020	3040	3060
TTTTTAACATT ATACTTTTGG CAAGCAGTTG GCTGGTCTAC CCAAGAGTGA TCAAAGTTTG		
3080	3100	3120

Figure 2E

Sequence 65048580

AGCTGCCCTTC	AATGAGCCAA	TTTTTGGCCA	TAATGGATAA	AGGCAATTG	TTTAGTTCAA
					*
3140	CTGCTCACAG	AATAATGTTA	AAATGAAATT	AAAATAAGGT	GGCCTGGTCA
					3180
3200					
					3240
					*
3260	AAAAAACTAA	TGTTGGTTGG	TTGAAATTTTA	TATTACGGAA	TGTAATATTA
					TATTTTAAAA
3280					
					3300
					*
3320	TAAAATTATG	TTATTTAGAT	TCTTAATATT	TTGGAGCATT	CCATACTATA
					ATTTCGTAAC
3340					
					3360
3380	ATAATATTAA	AATATAGTAA	TATAAAGTGT	AATTAACTTT	AAATTACAAG
					CATAATATTA
3400					
					3420
					*
3440	AATTTTGAAT	CAATTAATTT	TTATTTCTAT	TATTTTAAAT	AATTAGTCT
					ATTTTTTCAA
3460					
					3480
					*
3500	AAATAAAATTT	AAATCTAAAT	AAAAATAATT	TTTCCTTAAT	GTTGAAACAA
					CTCATGTTAT
3520					
					3540
					*
3560	ACTTCAAAAT	TATAAGTATT	ATATTTACCT	TGATGATTTA	TTTATTAGTA
					TATTAATTCT
3580					
					3600
					*
3620	GATTATAAAT	ATGGTGGGAT	ACAATCGCTT	TCCACTAAAT	ATTTTAACTA
					TGATTTATAA
3640					
					3660
3680	ATTTATTTCA	ACATCGTATA	TTTACTTATT	AATACATAAT	TTATCATAAAT
					TTTATGGAAT
3700					
					3720
					*

Figure 2F

Sequence "66048680"

TTGAGACCAA	GAAACATTAA	GAGAACAAAT	TCTATAACAA	AGACAATTTA	GAAAAAATG
	3740		3760		3780
TACTTTTAGG	TAATTTTAAG	TACTCTTAAC	CAACACAAA	AATTCAAATC	AAATGAACTA
	3800		3820		3840
AATAAGATAA	TATAACATAC	GGAACATCTT	ACTTGTAATC	TTACATTCCT	ATAATTTTAT
	3860		3880		3900
TATGAAAAAT	AATCTTTATAT	TACTCGAACT	AAATGTTGTC	ACAAATTATT	ATCTAAATAA
	3920		3940		3960
AGAAAAACAC	TTAATTTTIA	TAACATTTTIT	TCATATATTT	GAAAGATTAT	ATTTTGTATA
	3980		4000		4020
TTTACGTAAA	AATATTTTGAC	ATAGATTGAG	CACCTTCTTA	ACATAATCCC	ACCATAAGTC
	4040		4060		4080
AAGTATGTAG	ATGAGAAAAT	GGTACAAACA	ACGTGGGGCC	AAATCCCACC	AAACCATCTC
	4100		4120		
TCATTCTCTC	CTATAAAAGG	CTTGCTACAC	ATAGACAACA	ATCCACACA	C AAA TAC
	4140		4160		4180
ACG TTC TTT	TCT TTC TAT	TTG ATT AAC	CAT GGC TCA	TAG CAT TCG	TCA
<Arg	Glu Lys Arg	Ile Gln Asn	Val Met Ala	*** Leu Met Arg	***
	4200		4220		
CCC TTT CTT	CCT TTT CCA	ACT TTT ACT	CAT AAG TGT	CTC ACT AGT	GAC
<Gly	Lys Lys Arg	Lys Lys Trp	Ser Ser Met	Leu Thr Glu	Ser Thr Val

Figure 2G

46E02T" 66048680

4240	CGG TAG CCA CAC TGT TTC GGC AGC GGC TCG ACG TTT ATT CGA GAC ACA	4260	4280
	<Pro Leu Trp Val Thr Glu Ala Ala Arg Arg Lys Asn Ser Val Cys		
		4300	4320
		*	
	AGC AAC CTC ATC AGA GCT CCC ACA ATT GGC TTC AAA ATA CGA AAG CAC		
	<Ala Val Glu Asp Ser Ser Gly Cys Asn Ala Glu Phe Tyr Ser Leu Val		
		4340	4360
	GAG AGT CTG AAT ACG AAA AGC CAG AAT ACA AAC AGC CAA AGT ATC ACG		
	<Leu Thr Gln Ile Arg Phe Ala Leu Ile Cys Val Ala Leu Thr Asp Arg		
4380		4400	4420
		*	
	AAG AGT ACT CAA AAC TTG AGA AGC CTG AAA TGC AAA AGG AGG AAA AAC		
	<Leu Thr Ser Leu Val Gln Ser Ala Gln Phe Ala Phe Pro Pro Phe Val		
		4440	4460
	AAA AAC CCT GCA AAC AGC ATG AAG AGT ACC ACG AGT CAC ACG AAT CAA		
	<Phe Val Arg Cys Val Ala His Leu Thr Gly Arg Thr Val Arg Ile Leu		
4480		4500	4520
		*	
	AGG AGC AAA AAG AGT ACG AGA AAG AAA ATC TCGACGAA TTCCCCCGGG		
	<Pro Ala Phe Leu Thr Arg Ser Leu Phe Asp		
		4540	4560
	CGTCGACGGC TAGCGAAGAT CTTCGGGGCCC GTCGAGCCTT GAATCATATG ACACGTGTGC		4580
		4600	4620
		*	4640
	ATGTGCCATC ATCATGCAGT AATTTCATGG TATATCGTAA TATATAGTTA ATAAAAAGA		
		4660	4680
			4700
			*
	TGGTGATTGG GAAATCTGTG TGTCATTCCTCC TCCATGCACT AATGGTGAAT CTCCTTGCAT		

Figure 2H

4682T"66043680

ACATAGAAAT	4720	TCTAAATGGT	TATAGTTTAT	4740	GTATAGTGT	ATGTTGTAGT	4760	GAAATTAAAT
TTAAAAIGTTG	4780	TATCTPAATGT	TAACATCACT	4800	TGGCTTGATT	TATGTTATGT	4820	TATGTATTTT
ACTTTAAATGA	4840	TATTGCATGT	ATTGTTAATT	4860	TAACATGCT	TGATCATPAT	4880	ACTCTTCTAC
TATTAATTAT	4900	AAATGGCACT	GTTTGTGTTA	4920	AACTTTTTAC	AAGTTAAGAC	4940	ATGTATAAAT
ATATGACAAAT	4960	ATAATTACAG	GTTTTAGTTC	4980	AATGTTAGCT	ATCTTAGTAT	5000	GTTATTGATG
ATCTTAATTAA	5020	CATTFAAACA	AATCCCACTT	5040	AAAATTTTAA	TAAATAATAA	5060	CAAAATAATTA
TTGTAATATA	5080	ATACATTAAA	TGCAACAAAA	5100	AATGAAATAA	ATAAAATAAA	5120	ATAGCAAATA
ATTGTTATAA	5140	TATTGTAATA	TAAATATGTAC	5160	CATATTCTTA	ACTGAAATAG	5180	GGTCTAACCT
ATAATCCCTA	5200	AAATTTTCAGT	TTAAATATTTT	5220	TTATACCCTAC	CATATTATTA	5240	GAACTCTTTT
TAAATATATT	5260	AAAATTTTAA	TTATACCAAT	5280	TTAATTAAAC	TATTAATTAT	5300	CTTAACATAA

Figure 2I

Accession: G6048680

ATCTAAAATT	TTATTTAACC	TATTAATAAA	TTCCCTAATTA	TCTTATCTAA	TTTAAAACTC
5320	5340				5360
TAATTATCCT	AATTTAATTT	AAATTCTTAA	TTATCTTAAT	TTGTAAACCTC	CTCCACCCAG
5380	5400	*			5420
CTAGATGCTG	GACCCGAATC	CGGGAGATTA	CATCGGCCAT	TGAGATGGCG	TGATCAGGGT
5440	5460				5480
TTGGCGCGCC	GGTACCCAAT	TCGCCCTATA	GTGAGTTCGT	ATTACGCGCG	CTCACTGCCGT
5500	5520				5540
	*				
CCGGTTT					

Figure 2J

Sequence 66048680

20	40	60
ACTAAAGGGA	ACAAAAGCTG	GAGTCCACC
	GCGGTGGCGG	CCGCTCTAGG
		ATCCCCCGTG
80	100	120
GACTAAACAA	AACATGGGAA	GATTTGCTGT
	AAAAAAATAA	AAGAAGCTTA
		CTCAATAACA
140	160	180
CTTTGTGAAT	TGTATACAAA	AGACTCAATG
	AAAAACAATA	ACTCAATACA
		CTTTTTTTTCA
200	220	240
CTGATTTACA	TCCTTTATAT	AGGCTGAAAC
	TACAACAAC	TTAGCTAAAA
		AAATAGGATA
260	280	300
ACCTAATAGC	AAAAATCACAA	TCAGATATTA
	AACCATGATT	TTAGCTAACC
		ATTTAACAAC
320	340	360
TTTATTGAAA	CTAAATTGAA	TATTTCATCT
	GCTGATATGC	CCAAGATTTT
		AGGCCACTAA
380	400	420
CCGATTTGGT	GGTGAAC	TTT
	AACATGTCAT	GCATTTGTAA
		CTGTTTGAAA
		CAAGTTTTT
440	460	480
GCATTATTTT	ACTATATGAA	CTGTTTGATT
	AGGTGAGTT	ACACACTGAG
		CTTGTAAAGCT
500	520	540
CACTCAAAT	TTTCTAATTT	CTAAGGTGAT
	CAGCAAAC	TT
	AGGACCGGC	GGCGTACGAG
560	580	600
AGCTCGGATT	GATTTTCTAG	TTAATAAATA
	AGACGATTTA	TGTTTTTAAA
		CTATTATGGA

Figure 3A

26802T" 66048680

620	CTTTTGGAC	TATGTAAC	TG	TTTGGGACTT	TATTTTGT	TTTATTTGC	TTTTTTTGA	660
680	TTTAGTAATT	ATTATTTT	TTA	AACTGCAAAA	TTATATGTTT	TTACAAACTA	AGTCACAGTT	720
740	TTCAAAATTC	CATAACTTAG	AA	TTTTTTCGC	TGCAAAATAA	AGTAATCATT	TAAGTGTITT	780
800	TTCTGTAATA	AAATAAAATA	ATA	ATTTTAA	CGAGTATTTT	CCTAAAAAAT	GGAAATTGAT	840
860	TTACCAAAAT	TAGTATGTCA	AA	CACAAGT	TTATATGTTA	CAGGGCGATA	TCGTCTAGGC	900
920	AAATAACATC	TAGGCGGGT	TT	GGAGTGT	ACAGGGCGAG	TGGGCTCATT	TTGAGTAAGT	960
980	ATAGTTAGGG	CCGAGTTT	TTA	GATTGCATAT	TCAAGGTCAA	AGATTTTGT	AACTTCGATG	1020
1040	AATGATATGT	ATGATTGTCC	GAT	TAAACGAA	ATATGTTTTT	TTCTTTTGTG	TGTGTTTTAT	1080
1100	CTCGTGTGAT	AAGTATATAG	TAT	GTTTTAT	TCCAATTC	ATGGCATGTG	ACATTGTGGC	1140
1160	TATCTAATT	AAATGATTT	GTT	ATTATTG	AAATCTGATG	CATCTGTCT	ACAAAGCATG	1200
1220								1260

Figure 3B

Sequence "66048588"

GAATCTCATG	CCTACTGCTT	TCTGTTAAAG	ATACGATGC	AAGTTAACA	TGCTTACTAT
1280		1300	*		1320
TTTGATTTTG	TCCTTGCATG	CTATGTCACA	TTACATGGG	TTGGGATGAT	ATGGTAAGGA
1340		1360			1380
GGAAGTTTTG	ACAGTTTAAT	GATTGCACT	ATCTGGTGGT	TTAACCACAT	ATTTGTTATG
1400		1420			1440
GCATCTTGAC	TGCGGTTATG	GTGGCTCGAC	CGCCCATATC	TGTTCTGGAA	ATTTATCTGT
1460		1480			1500
GACTCTGGTG	GCATTGTCTA	CAATTATTG	TTGGTGTGTT	TTGGATGGAC	GAGTCGTGGG
1520		1540			1560
GAACTCTATT	TGGTGTGTG	CGGAGTTGGG	TAGGAAATTT	TCGAAAAAAA	TTTGCATTGT
1580		1600	*		1620
GT'TTTTCTGA	AAAATATTGC	ATTAACATAA	TCATGCATTC	TCAATTTTGG	TCAATTGAAC
1640		1660			1680
GTTATAAAAAT	TCTCTATGAT	ATCCTGATCT	GTTTATTACA	TTATATGTGT	TTATGCTTGA
1700		1720			1740
GT'TAAAGTCAA	ACATTGAGAT	TCATAGCTCA	CCCAATTATT	TAATCATTTTC	AGGCAATCTG
1760		1780			1800
CAGACTTAGG	ATTGGATGGC	GTTCAGGAGC	TTGGATTGGT	TTTCTCACAT	CATATTTTAT
1820		1840			1860
TAAATAAATTA	TTAATTAAAA	TTTATGGACT	TTTGGACTGT	CTGACTAATT	TTCAGAAATTT

Figure 3C

Sequence "5048880"

1880	1900 *	1920
TATTTTGGTT TTGGGTTTTG TTGAATTTTT TAGATAATTA TTTTAAATAT TCTGCATAAT		
1940	1960	1980
TTTTCCTGTTA TTTGAAAAGG ATGTTTCAAT TTTTTCCTCA AATTGAAACG TTTAAGAAAT		
2000 *	2020	2040
TTTACTACTG CAAATTCAGA ATAAAGTGAAT TTGTTTTTTA GAAAGATTAA ATAAGTTAGT		
2060	2080	2100 *
ATTACGATTT TTAGTTTGTG TTGGTGGAAA GTAATCTATG TTTTGAACA TAATTATTG		
2120	2140	2160
ACAAATAATTA AGTTTCTTAG GGAATAAACG GAAATATCTT CTTCCTTTTT GTAAAAATTAC		
2180	2200 *	2220
TAATGCAAGA ACAAACAACG TTTTGGGGAG CAAATAATCT AGCTTTAAGT AGTCAGTGTA *		
2240	2260	2280
ACTCTCAAAA TCTGGTCATA ACTTCTAGGC TGAGTTTGCT GTGCTACAGT AGTAAGTCTA		
2300 *	2320	2340
TAGAAACTTA CCTGACAAAA CGACATGACG TCAGGGGTCG ATCTACAACT TTTCCCTTTTT		
2360	2380	2400 *
CTTCAATTAA CATATGGTTG ATTCAAGTTC CGATCTATAA TAATTTATTA CGATTTATCA		
2420	2440	2460
ATTTCAATTA CCTTATATCA TCCTATTATA AATATAAGTC AGTTCAATTC AGTTTTTCGAA		

Figure 3D

Sequence "5048680"

2480	2500 *	2520
AGTTCCCAA	AATTTGAAT TTTATTAAAT TTATTCCTA	AAACCGAAAT AGTTATATCT
2540	2560	2580
TTCAAATTTA	AGTTTCATTT TTCAATCCGA TTTCAATTTT	ATCCTTTTAT AACTCTCTAT
2600 *	2620	2640
TATCTATAAT	TACATAAAAT TCAAATTAAT TTTGAAATAT	TTACACTTTA GTCCCTAAGT
2660	2680	2700 *
TCAAAACTAT	AAATTTTCAC TTTAGAAATT AATCATTTT	CACATCTAAG CATCAAAATTT
2720	2740	2760
AACCAAATGA	CACAAATTTT ATGATTAGTT AGATCAAGCT	TTTGAGTCTT CAAAACATAA
2780	2800 *	2820
AAATTACAAA	AAAAAACA ACTTAAATC ATTTATCAAT	TTGAACAACA AAGCTTGGCC
2840	2860	2880
GAATGCTAAG	AGCTTAAAAA TGGCTTCTTT TGTTCCTTT	TGTTGCAAC GGTGGAGAGA
2900 *	2920	2940
AGAGGGAAAT	GAAGATTGAC CATATTTTTT TATTATGTTT	TAAACATATAA TATTAATAAT
2960	2980	3000 *
TTAATCATAA	TTATACTTTG GTGAATGTGA CAGTGGGAG	ATACGTAAAG TATTTTAAACA
3020	3040	3060
TTATACTTTT	TGCAAGCAGT TGGCTGGTCT ACCCAAGAGT	GATCAAAAGTT TGAGCTGCCT
3080	3100	3120

Figure 3E

Sequence "C6048680"

TCAATGAGCC	AATTTTGGC	CATAATGGAT	AAAGGCAATT	TGTTTAGTTC	AACTGCTCAC
					*
3140	AGAATAATGT	TAAAAATGAAA	TTAAAAATAAG	GTGGCCTGGT	CACACACACA
					3180
3200	AATGTTGGTT	GGTTGAATTT	TATATTACGG	AATGTAATAT	TATATTTTAA
		*			3240
3260	TGTTATTAG	ATTCTTTAATA	TTTTGGAGCA	TTCCATACTA	TAATTTTCGT
					3300
3320	AAAATATAGT	AATATAAAGT	GTAATTTAACT	TTAAATTTACA	AGCATAATAT
					3360
3380	ATCAATTAAT	TTTTTATTCT	ATTATTTTAA	TTAATTTTAGT	CTATTTTTTC
					3420
3440	TTAAATCTAA	ATAAAAAATAA	TTTTTTCCTTA	ATGTTGAAAC	AACTCATGTT
					3480
3500	ATTATAAGTA	TTATATTTTAC	CTTGATGATT	TATTTATTAG	TATATTAAAT
		*			3540
3560	TTATGGTGG	ATACAATCGC	TTTCCACTAA	ATATTTTAAAC	TATGATTTAT
					3600
3620	CAACATCGTA	TATTTACTTA	TTAATACATA	ATTTATCATA	ATTTTATGGA
					3660
3680					AATTGAGACC
					3720
					*

Figure 3F

Sequence "56048680"

AAGAAACATT AAGAGAACAA ATTCTATAAC AAAGACAATT TAGAAAAAAA TGTACTTTTA
 3740 3760 3780
 GGTAATTTTA AGTACTCTTA ACCAAACACA AAAATTCAAA TCAAATGAAC TAAATAAGAT
 3800 3820 3840
 AATATAACAT ACGGAACATC TTACTTTGTAA TCTTACATTC CCATAAATTTT ATTATGAAAA
 3860 3880 3900
 ATAATCTTAT ATTACTCGAA CTAAATGTTG TCACAAATTA TTATCTAAAT AAAGAAAAAC
 3920 3940 3960
 ACTTAATTTT TATAACATTT TTTCATATAT TTGAAAGATT ATATTTTGTG TATTTACGTA
 3980 4000 4020
 AAAATATTTG ACATAGATTG AGCACCTTCT TAACATAATC CCACCATAAG TCAAGTATGT
 4040 4060 4080
 AGATGAGAAA TTGGTACAAA CAACGTGGGG CCAAATCCCA CCAAACCATC TCTCATCTC
 4100 4120
 TCCTATAAAA GGCTTGCTAC ACATAGACAA CAATCCACAC A CA AAT ACA CGT TCT
 <Ile Cys Thr Arg
 4140 4160 4180
 TTT CTT TCT ATT TGA TTA ACC ATG G CTCATAGCAT TCGTCACCCT TTCTTCCCTTT
 <Lys Lys Arg Asn Ser *** Gly His
 4200 4220 4240
 TCCAACTTTT ACTCATAAGT GTCTCACTAG TGACCGGTAG CCACACTGTT TCGGCAGCGG
 4260 4280 4300

Figure 3G

Sequence "5048580"

CTCGACGTTT	ATTGAGAGACA	CAAGCAACCT	CATCAGAGCT	CCCACAATTG	GCTTCAAAAT
4320		4340		4360	
ACGAAAAGCA	CGAAGAGTCT	GAATACGAAA	AGCCAGAATA	CAAACAGCCA	AAGTATCAGC
4380		4400		4420	
AAGAGTACTC	AAAACTTGAG	AAGCCTGAAA	TGCAAAAGGA	GGAAAAACAA	AAACCCCTGCA
4440		4460		4480	
AACAGCATGA	AGAGTACCAC	GAGTCACACG	AATCAAAAGGA	GCAAAAAGAG	TACGAGAAAG
4500		4520		4540	
AAAATCTCGA	CGGGCCCGAA	GATCTTCGCT	AGCCGTCGAC	GCCCCGGGGA	ATTCTGTCGAG
4560		4580		4600	
CCTTGAATCA	TATGACGCTG	GTGCATGTGC	CATCATCATG	CAGTAATTTC	ATGGTATATC
4620		4640		4660	
GTAATATATA	GTTAATAAAA	AAGATGGTGA	TTGGGAAATG	TGTGTGTGCA	TTCCCTCCATG
4680		4700		4720	
CACTAATGGT	GAATCTCTTT	GCAATACATAG	AAATTCTAAA	TGGTTATAGT	TTATGTTATA
4740		4760		4780	
GTGTATGTTG	TAGTGAAAKT	AATTTTAAAT	GTGTATCTTA	ATGTTAACAT	CAC TTGGCTT
4800		4820		4840	
GATTTATGTT	ATGTTATGTA	TTTTACTTTA	ATGATATTGC	ATGTATTGTT	AATTTAACAT
4860		4880		4900	

Figure 3H

"Sequence" 56348621
 TGCTTGATCA TTATACTCTT CTAATATTA TTATAAATGG CACTGTTTIG TTAAACTTT
 4920
 TTACAAGTTA AGACATGTAT AAATATATGA CAATATAATT ACAAGTTTTA GTTCAATGTT 4960
 4980
 AGCTATCTTA GTATGTTATT GATGATCTTA ATTACATTTA AACAAATTC ACTTAAATTT 5020
 5040
 TTAATAAATA ATAACAAATA ATTATTGTAA TATAATACAT TAAATGCAAC AAAAAATGAA 5080
 5100
 ATAAATAAAA TAAAAATAGCA AATAATTGTT ATAATATTGT AATATAATAT GTACCATATT 5140
 5160
 CTTAACTGAA ATAGGGTCTA ACCTATAATC CCTAAAATTT CAGTTTAAAT ATTTTATAC 5200
 5220
 CTGCCATATT ATTAGAACTC TTTTAAATA TATTAAAATT TTAATTTATAC CAATTTAATT 5260
 5280
 TAAACTATTA ATTATCTTAA CTAATAATCTA AAATTTTATT TAACCTATTA ATTAAATTC 5320
 5340
 TAATTAATCTT ATCTAATTTA AAACCTCTAAT TATCCTAATT TGATTTAAAT TCTTGATTAT 5380
 5400
 CTTAATTGTT AACCTCCTCC ACCCAGCTAG ATGCTGGACC CGAATCCGG AGATTACATC 5440
 5460
 GGCATTGAGA TGGCCTAGTA GTGATCAGGG TTTTCTTAGAG GTACCCAATT CGCCCTATAG 5500
 *

Figure 3I

26E02F" 65048680

TGAGTCGT

Figure 3J

25002T" 66043634

AAAAACA	ATG	AGC	ACT	GCA	ACA	TTT	ATC	AAG	TGT	GTC	ACG	GTC	GGT	GAT	50
Met	Ser	Thr	Ala	Arg	Phe	Ile	Lys	Cys	Val	Thr	Val	Gly	Asp		
	1			5			10								
GGA	GCT	GTG	GGG	AAA	ACT	TGT	ATG	CTC	ATT	TCA	TAT	ACC	AGC	AAT	ACT
Gly	Ala	Val	Gly	Lys	Thr	Cys	Met	Leu	Ile	Ser	Tyr	Thr	Ser	Asn	Thr
	15			20			25								30
TTC	CCA	ACG	GAT	TAT	GTT	CCA	ACA	GTA	TTT	GAT	AAC	TTT	AGT	GCC	AAT
Phe	Pro	Thr	Asp	Tyr	Val	Pro	Thr	Val	Phe	Asp	Asn	Phe	Ser	Ala	Asn
			35				40							45	
GTG	GTG	GAT	GGC	AGC	ACA	GTG	AAC	CTT	GGC	CTA	TGG	GAC	ACT	GCC	
Val	Val	Val	Asp	Gly	Ser	Thr	Val	Asn	Leu	Gly	Leu	Trp	Asp	Thr	Ala
			50				55							60	
GGG	CAA	GAA	GAT	TAT	AAT	AGG	CTA	AGG	CCA	CTG	AGT	TAT	AGA	GGA	GCT
Gly	Gln	Glu	Asp	Tyr	Asn	Arg	Leu	Arg	Pro	Leu	Ser	Tyr	Arg	Gly	Ala
			65				70							75	
GAT	GTG	TTT	TTG	GCC	TTT	TCT	CTT	ATA	AGC	AAG	GCC	AGT	AGT	TAT	GAA
Asp	Val	Phe	Leu	Leu	Ala	Phe	Ser	Leu	Ile	Ser	Lys	Ala	Ser	Tyr	Glu
	80						85				90				
AAC	ATC	TAC	AAA	AAG	TGG	ATC	CCA	GAG	CTA	AGA	CAT	TAT	GCT	CAT	AAT
Asn	Ile	Tyr	Lys	Lys	Trp	Ile	Pro	Glu	Leu	Arg	His	Tyr	Ala	His	Asn
			95		100			105							110
GTA	CCA	GTT	GTG	CTT	GTT	GGA	ACC	AAA	CTA	GAT	TTG	CGA	GAT	GAC	AAG
Val	Pro	Val	Val	Leu	Val	Gly	Thr	Lys	Leu	Asp	Leu	Arg	Asp	Asp	Lys
			115					120						125	
CAG	TTC	CTC	ATT	GAT	CAC	CCT	GGA	GCA	ACA	CCA	ATA	TCA	ACA	TCT	CAG
Gln	Phe	Leu	Ile	Asp	His	Pro	Gly	Ala	Thr	Pro	Ile	Ser	Thr	Ser	Gln
			130					135						140	
GGA	GAA	GAA	CTA	AAG	AAG	ATG	ATA	GGA	GCA	GTT	ACT	TAT	ATA	GAA	TGC
															482

FIGURE 4A

Sequence "56048630"

Gly	Glu	Glu	Leu	Lys	Lys	Met	Ile	Gly	Ala	Val	Thr	Tyr	Ile	Glu	Cys	
	145					150						155				
AGC	TCC	AAA	ACC	CAA	CAG	AAT	GTG	AAG	GCT	GTT	TTC	GAT	GCT	GCA	ATA	530
Ser	Ser	Lys	Thr	Gln	Gln	Asn	Val	Lys	Ala	Val	Phe	Asp	Ala	Ala	Ile	
	160					165					170					
AAA	GTA	GCT	TTG	AGG	CCA	CCA	AAA	CCA	AAG	AGA	AAG	CCT	TGC	AAA	AGG	578
Lys	Val	Ala	Leu	Arg	Pro	Pro	Lys	Pro	Lys	Arg	Lys	Pro	Cys	Lys	Arg	
	175				180					185					190	
AGA	ACA	TGT	GCT	TTC	CTT	TGA	AAT	ATTGG	ATC	ATTATTA	CAGTCA	AAAAA				626
Arg	Thr	Cys	Ala	Phe	Leu											
					195											
CAGTTA	ACAA	AAGCTGT	TGC	AGATAA	ACAC	TGAATCT	GCCT	ATAGTTT	GTTT	TTTGGTT	TAC					686
ATATGTT	CCA	CGTGAA	ACTA	TGAAGCA	TCT	CTAAGA	AAAAC	CCAAACT	ATC	ATATCA	AACCC					746
ATCGAT	CAAT	GAATCG	ATTT	CAATTTT	TCGC	AGTATA	AAGTT	CCTTT	TAAATC	CTTTCT	TTTTT					806
ACTTCAT	TTTT	ATAACG	AAT	CTATG	GATAA	TGTTCC	CCTAC	AAACAT	GTCA	TTACA	ATGTT					866
TAATTAT	AAA	TTCCAT	TCTT	CTATTTT	TACT	AAAAA	AAAAA	AAAAA	AAAAA	AAAAA	AAAAA					910

FIGURE 4B

26E02T" 66048680

5	20	40	60
	TTGGATGAGA	ACCAATTTT	AATAGTAAAN CCTAACCAAT TTTTAATAAT AAAGCTGACT
	80	100	120
		*	
	CCTAGTACAA	GAGCTTTTAT	TCATTCCTCT ATTTTGCTTT CCTCTAGGCT TGGCAATCGA
10	140	160	180
	GAATTTTCTT	GTGTTACAAT	ATAATAAATA CATCGTAGAA ATAAATTTTA TTCAAATTGA
	200	220	240
	*		
15			
	AGTCTTAACC	ATCTTTAATA	TTTGTAGATG TAATTTAAAT GAAAGATAAA TACATATCT
	260	280	300
			*
	TGGACATGTA	TTTTTCATCTT	AATGTTTGTG GCTTTGGTGA TAGGTGTATT GATGTACGAT
20	320	340	360
	GTCTTTTAAA	TCACATATCA	CATTTTGAGT TTGTATGATG ATAAGTCGAC ATAANCGAAA
	380	400	420
		*	
25			
	TATGGTGTGA	TCTTCACTTT	TGAACTTTGA TAAGTCACCA AACTTTAACA AAGTTTGATT
	440	460	480
	GTGTACATAT	ATATATATAT	CTTCAAAATTT TATAAATAAAA ATTGTGTTTA AATAAATTTAC
30	500	520	540
	*		
	AGTTATATTA	TTTTTTTTATC	TCATAATTTA TTTGTGCGCCA AATTTTITAGT TGATATTTTA
35	560	580	600
			*
	ACATAAAAAA	AATTGTACAC	ATTTACAAGC CCATATACAA ATAATTATAT AAATATTTCAT

FIGURE 5/A

Sequence "55048580"

5	620	TAAAAAATAT ATTTAAATAT AGGATATAAA TATAACTATT TTAGAATTAT TCTACTTTAA	640	720	660
	680	GATAACATAG GTTAAATGTA TAATTAAATAA GGTTAGTTTA TTGTAAAGAT GAGTATATAT	700 *	720	
10	740	GTCGTAAACA TAATCACATAA CCATTTTTAT TAACTTCTTG GTTTGAAGT TCCAAAAAGA	760	780	
	800 *	AAATGGAAGG GAAATTTGAG AGTAAGTTCA TGTTTATATT ATACATAATG AAGTTGATGT	820	840	
15	860	TTTCTTCTTT TTAATATTTT TATACAAAAT ATTTAAATAA AATAATTAAAG GATTGAATGA	880	900 *	
20	920	AAAATATAAT GAAAGTCGTT TTTACTAATAG TCATATTGCA TTTTGTGCGA TCTACTTAAA	940	960	
	980	TAATAGATAA ATTAATTGTG GTACATTAGA TCAAAGAACA AACTAGATTT TGTCCCATTC	1000 *	1020	
25	1040	TATTGTTAAA AGCTGGTCCG TTTACATTAA AATAAGGTAC ATGTTACATG CCACGTATAA	1060	1080	
30	1100 *	CTATCTGGTT ATTCTATCAA TCACGGTAAT TTTTAAACAGT AGAAATGAAT GTAATTTTAA	1120	1140	
	1160	AATAGAAAGG GTCAAAATTGT TATTTGATCT AACACGTAGG GATTAAATTAA CTTATTTTCC	1180	1200 *	
35	1220		1240	1260	

FIGURE 5/B

Sequence "65048680"

5	TAAAGAAATA AGTAAAAATAT AATTGGAATC TTAATACAAA AACTTTCATG ATACTTTTAT	1280	1300 *	1320
	CATATTTTAC TTATAAATTTA ATATTGTGAG AGTAACAAAR TTAAAAAACA TAGAAACACC			
	AAAAATTAGT TATGGTGTGA CTCATATACA CAGTTAAAAAT TTGAATAAAT TTTTTCCTTC	1340	1360	1380
10	GTCAATTAATT CCATCATGGG TTTTTTTTTT TCTAGTTAAG CCATAATTAT CAAAATAATC	1400 *	1420	1440
	ATCATTTAATC CTATCAATAC CCGGCCCTGC CTCCCCTCCCT CAATACTTAA ACCCAACTAA	1460	1480	1500 *
15	CACCCAGCAC CAAACGCACT TTAATAGCCA CCTATTCTA GCCATGTCCT TGCACTTAAA	1520	1540	1560
20	GAAAAGTAAA GCTAACCTGC AATCATTTCA TATCGAGGCC TCAACAGATA AAGTTGGTTG	1580	1600 *	1620
25	ATGGGTTTGC ACCAAGTTGT TAAAACCCGG CCCTCAACTT CCCTTTTCTT TTCATCCTCC	1640	1660	1680
	CCACTCCACA CCCTCCAATT TTCTTCATAT GGTTCATTA TAAGTTCCTT ATAATCACAG	1700 *	1720	1740
30	AATCAAGATA AGTCCTCAGC AAACAAAAA CCATGGCTCT CGAGCAAGAT CTGGACTAGT	1760	1780	1800 *
35	CAGAGCTCTG AATATTGGAT CATTATTACA GTCAAAAAA GTTAACAAA GCTGTTGCAG	1820	1840	1860

FIGURE 5/C

Sequence "55048680"

5	1880	1900 *	1920
	ATAAACACTG AATCTGCTAT AGTTTGTGTTT TGGTTTACAT ATGTTCCACG TGAAACTATG		
	1940	1960	1980
	AAGCATCTCT AAGAAAACCC AAACATATCAT ATCAACCCAT CGATCAATGA ATCGATTTC		
10	2000 *	2020	2040
	ATTTTCGCAG TATAAGTTCC TTTTAAATCCT TTCTTTTAC TTCATTTTAT AACGAATCT		
	2060	2080	2100 *
15	ATGGATAATG TTCCCTACAA ACATGTCATT ACAATGTTTA ATTATAAATT CCATTCCTCT		
	2120	2140	2160
	ATTTTACTAA GATATTAGTA ACTTCAAACT GCTGATTTT ACTAATTTAT TATTTATAA		
20	2180	2200 *	2220
	TTGTGAGAAT GATTATTTT CAATAATTTA ACAACAATAT TTAATATTTAT TATTATTTAT		
25	2240	2260	2280
	ATTTCTCAAT TTTTATTAAA CAAAAACATA AATTTTGGAC AAATTAAAAA AAATGAATTA		
	2300 *	2320	2340
	ATTTCTCAAT TTTTCGTGCA ACTATTACAA AAATCCTTCA TAGTCCTAAT CTTAATTTGA		
30	2360	2380	2400 *
	TGCAGAGGTG ATAATAATCT TAATTGATG CAGAGGTAAT AATGGGCCCG GTTTGAGCTG		
	2420	2440	2460
35	GACTTAAGCA TGATATTGAC GTACTTTATA TTTTCCAAA TTCAACCCAG CTCGAAATAT		

FIGURE 5/D

Sequence "66043680"

	2480		2500		2520
		*			
		GAGTCTAAAA	TTTTGTCCAA	TTTAAATCCAA	GCCCATTTTA
					AGTTCGTCCA
					TATTATTTTT
5					
	2540		2560		2580
		TAAATTTAAAA	AATTTATATC	ATTTTATTTT	AATATTTAAT
					TATTTTATAT
					ATTTTITATT
	2600		2620		2640
		*			
		TATTGAAAAAT	TTTTATATAG	TCATCTTAAAC	ATTATGTTAA
					TGTTTATATT
					AGAGTAGTAT
10					
	2660		2680		2700
		*			
		TATATATATT	TAGTATAGGT	TTATTTTGT	AATAAACTTA
					AAAATGGGC
					TGTGGGCTA
15					
	2720		2740		2760
		GACTTGGACC	TTAAATGCTC	AAACTCAAAC	TTAATTCATA
					TTTTAAACAG
					GCTTAATATT
	2780		2800		2820
		*			
		TTTTATTACA	CTGTTTCAAA	TTTTTCGGGT	GAAATATCTT
					CGAGTCTAGA
					TTAATAACAC
	2840		2860		2880
		CACAGGTCTA	ATTTGATGCT	CAATGAAAAAT	GAAATCATAT
					TGAGCTTAAT
					TAATATTCCA
	2900		2920		2940
		*			
		TTCTTCTTTG	CTGAAAGGAC	CAAGCAATTC	GAGTTACATT
					AAGGTTAAAG
					AGTATGGGAT
	2960		2980		3000
		*			
		CCGCCAAACC	TGCCCCAATG	TCCTCTTCAAC	CATCCAAAAA
					CTTGAGTCAG
					TATCACATAC
	3020		3040		
		ATGTACCGNT	ATTTATTTAT	TTATTGAAAT	TGGCATTATT
					TCTTG
35					

FIGURE 5/E

08984099-120397

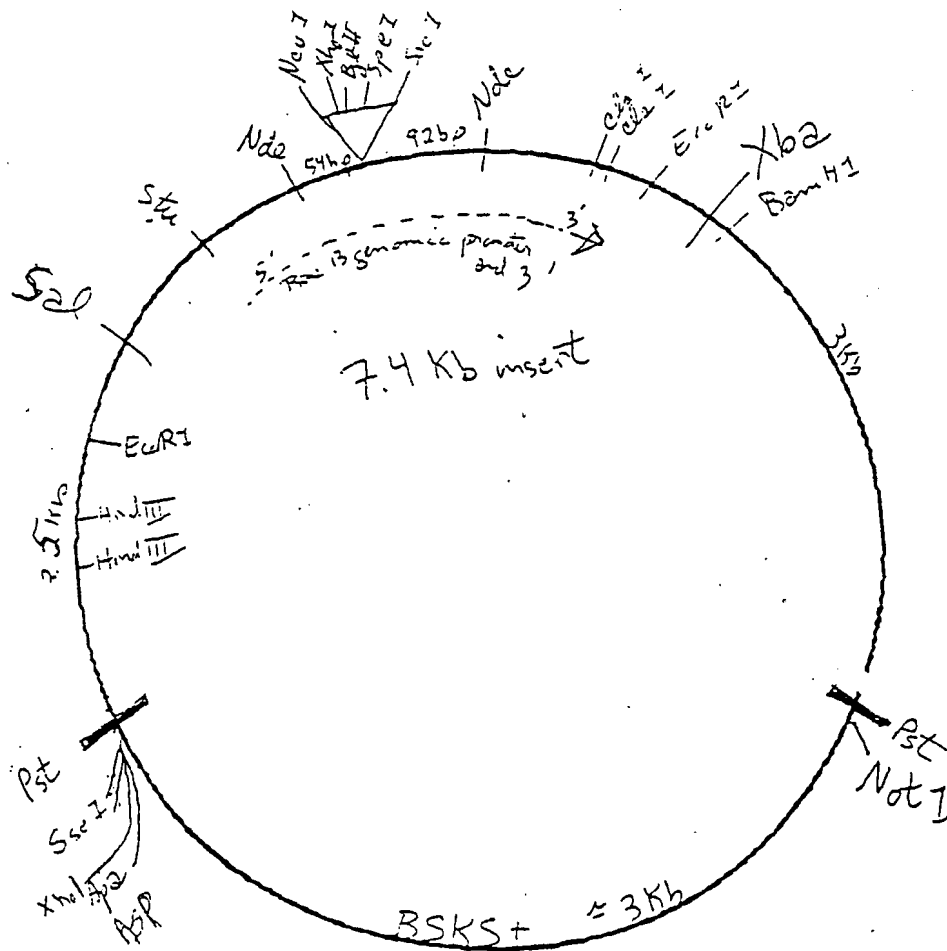


FIGURE 6

Sequence "66043680"

GGGCATTCCA	CACGACCATG	TGTCCCCCTAT	TTCCAGGCAT	TTTGAGACTT	CACCTAAACT	60
TCTAGAGTTG	TTTCAAATTA	GCCCCCTATTT	GTTCCTTAAAT	CATTTTAGGA	TCTTGTA AAC	120
TCGTATTTAG	GACTAAATGT	GTAATTTATA	CTTTAAATTAT	GATTGATTAA	TTGATTGATT	180
TNGTAGTAAT	GCCCCGTGACC	CTAATCCGTT	AGCGAAGAGG	GGTTAGGGGT	TAGGGGTTTT	240
ATTATTATTT	TTTAGATATT	GTATAACTCT	TGTTTTTATTT	TTAATTTTGT	TACTATTTCA	300
AAGGCATTTG	TTTGTAGTGT	TATTTTCGAGT	AGGTTTTATG	GGTGAACAAC	CCTTGACCGC	360
CAAATCAATC	ACAAGAGTTC	AACATTTTAT	TTATTTTGAA	ATGTATTAAA	AATCGTTAAT	420
CTATATATTC	GCCCCCATTT	TGGGATTAAA	TATTCACAAG	GGTTTAGACC	GTCATGAGAC	480
AGATTAGTTT	TATCTTACTG	ATGGTCACAT	CACAATAGTA	ATTCAACTTA	ATACGAGAGG	540
AACCATTTGAT	TCACGCAATT	GGTCATCGCA	CTTAGTTGAA	AAGCTAGGGG	TGCCGAAGCTA	600
CCGTACGCTG	GATTATGATT	GAACACCTCT	AAGTCAGAAAT	CCGAATTAGA	AACAATGCAC	660
GTGTCCGTTG	CCTGATTGCC	AACCCCAATA	ACACGTGTTG	TAGGTTTAAAC	CATGTTTATG	720
AAAGATAAGG	TTTTTTTTTTT	TATAAGCAAG	CAACTATAGG	GGTTTACTTC	CGTGCGCAAA	780
TTTTTTAGGTT	ACCTATTTTG	GGAGGGGGGA	TTATGATTCA	AGTGAAAAGAA	AGTTGGCACA	840
CACACAATCA	GTACATCTGT	TTTGACAGAG	ACACAGCCTA	AAAACAGCAG	CAAACAAGCC	900
TAAAGGAATC	ACCCAAAAAC	AACAACCAAA	AGTACAGAGG	AAAACAAAAG	AATCCCCTGTT	960
ACCACCAAGC	TGAAAAAAAG	AAAATAAAAC	TCAACTTTTG	GCAATAAAAA	CCCTCCTACC	1020
CTCAACCCCT	AACCACGCAA	CAATCAGCAA	TACTCCAAGC	AACCATTTTC	CTTACAAGTT	1080

FIGURE 7A

SEQUENCE 65043680

TGTTTCTT GTGATTAATC CAT ATG GCT AGC TCC ATG TCC CTT AAG CTT GCA 1133
Met Ala Ser Ser Met Ser Leu Lys Leu Ala>

TGT CTG CTA GTG TTG TGC ATG GTG GGT GCA CCC CTG GCT CAA GGG 1181
Cys Leu Leu Val Leu Cys Met Val Val Gly Ala Pro Leu Ala Gln Gly>

GAC GTA ACC CGT GCT GAT GGC GTA GTC ACC CTT CCA CGC TGC CTT CCT 1229
Asp Val Thr Arg Ala Asp Gly Val Val Thr Leu Pro Arg Cys Leu Pro>

TTA TTG ATA GGG AAT GGT AAT GGT GCT GAT GCT GAT GAT GCC CCA 1277
Leu Leu Ile Gly Asn Gly Ala Asp Ala Asp Val Asp Ala Pro>

GCT TGC TGC GAC ATC AGG GGT CTC TTG AGC TCG CTG CTC TGT GGT 1325
Ala Cys Cys Asp Ile Val Arg Gly Leu Leu Ser Ser Leu Cys Gly>

GGT GTT TAGGAACG ATCTAGCTTG AAATCGGGT CGGATACGG TGGAGTTTCA 1380
Gly Val>

AATTGGTGTG TTATGGAATC CCAACTTAAT CGTGTTAGG GGTGGGATCC AATTGTGTGA 1440

TACATTACAG AGCATGGTTG TGGATTGTTT TCTCATATGT TTTGATTGAC TTGCTTGATA 1500

CATTGGATGA TTCGATAAGG TGACCGGTTT ACCTGGGTAT CCAACCATCA TCCGATTACT 1560

TTTTAATAAT TATTGTGTTT TTTCTTTATGT TGTCGTCTCT TTTGTTCCTT GATCTATAAC 1620

ATTATATTG CCCAAATTTT CGCATTTTCC ATATGTAGCT TATATATGTA TATATATATT 1680

CAATAAAGTA TATTGATTTA GCAGATGATT TGTTGATATA TTTAAATCAA ATCAAACATT 1740

AATGATCATT CACTAGCGTC TTAATCTTGA AAAATTCATC AACGGTTATC CTTTGCAGCA 1800

TATATAAAAA AAATTGCCAA CCTATGCTT TTACACCCTAA TTCAAGGGAT AACATAAGTC 1860

GATTAAACG A 1871

FIGURE 7B

26E02T" 56048680

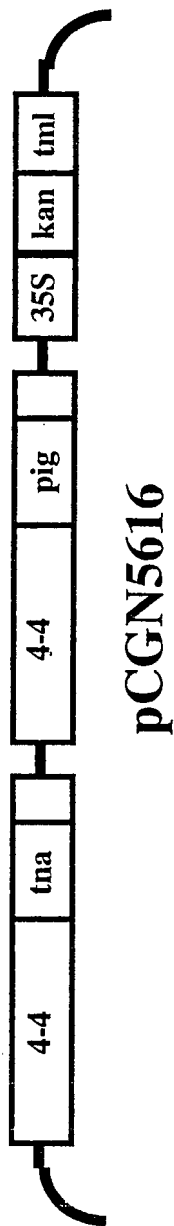
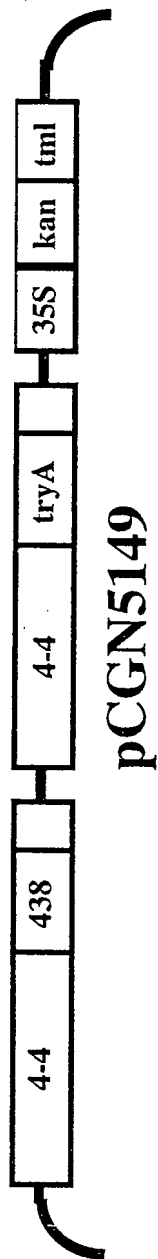


FIGURE 8

3

FIGURE 9

2025-10-23 15:04:20

[illegible]

5149	Yxy, Y	Yxy, x	Yxy, y	Lab, L	Lab, a	Lab, b	LCh, L	LCh, C	LCh, h
68-1	65.75	0.3351	0.34	84.86	0.72	11.9	84.86	11.92	86.6
68-1	62.54	0.3458	0.3474	83.19	2.14	15.84	83.19	15.98	82.4
68-1	62.56	0.3458	0.3474	83.2	2.14	15.85	83.2	15.99	82.4
8-1	84.72	0.3196	0.3278	93.76	0.89	5.87	93.76	5.93	98.6
68-1	64.97	0.3316	0.3354	84.46	1.17	9.81	84.46	9.87	83.3
17-2	64.42	0.3423	0.3436	84.18	2.26	14.19	84.18	14.36	81
17-3	60.97	0.3475	0.3475	82.36	2.74	16.03	82.36	16.26	80.4
17-15-1	64.02	0.3433	0.3444	83.97	2.34	14.57	83.97	14.75	80.9
21-1	59.32	0.3443	0.3445	81.46	2.64	14.41	81.46	14.64	79.7
21-3	63.64	0.34	0.3409	83.77	2.4	12.89	83.77	13.11	79.5
21-6	67.12	0.3372	0.3394	85.56	1.88	12.15	85.56	12.29	81.3
50-3-1	61.26	0.3502	0.3511	82.51	2.4	17.63	82.51	17.79	82.3
67-1	64.34	0.3434	0.3442	84.13	2.48	14.58	84.13	14.78	80.4
68-1	64.12	0.3442	0.3447	84.02	2.58	14.85	84.02	15.07	80.2
68-2	70.21	0.3428	0.3447	87.09	2.05	15.04	87.09	15.17	82.3
68-3	63.81	0.3457	0.3468	83.86	2.35	15.76	83.86	15.93	81.6
5149	Hunter L	Hunter a	Hunter B						
68-1	81.08	0.71	10.89						
68-1	79.08	2.08	14						
68-1	79.09	2.09	14.02						
8-1	92.04	0.91	5.81						
68-1	80.6	1.15	9.06						
17-2	80.25	2.21	12.75						
17-3	78.08	2.68	14.09						
17-15-1	80.01	2.29	13.05						
21-1	77.01	2.56	12.73						
21-3	79.77	2.35	11.65						
21-6	81.92	1.86	11.14						
50-3-1	78.26	2.33	15.36						
67-1	80.2	2.43	13.07						
68-1	80.07	2.53	13.28						
68-2	83.79	2.04	13.68						
68-3	79.87	2.3	14						
				FIGURE 11					

[illegible]

FIGURE 12

2025年12月25日

[illegible]